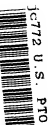


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34772 U.S. PTO

10-9-01

PTO/SB/06 (03-01)

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U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.63(b))</small>		Attorney Docket No. BOSTU 3.0-002 DIV First Inventor John Murphy Title IDENTIFICATION OF VIRULENCE, etc. Express Mail Label No. EL804522809US	
APPLICATION ELEMENTS See MPEP chapter 800 concerning utility patent application contents.		ADDRESS U.S. Commissioner for Patents Washington, DC 20231	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original, and a duplicate for fee processing)</small> 2. <input checked="" type="checkbox"/> Applicant claims small entity status <small>See 37 CFR 1.27</small> 3. <input checked="" type="checkbox"/> Specification <small>(preferred arrangement set forth below)</small> <ul style="list-style-type: none"> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the invention - Brief Summary of the invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 3] 5. Oath or Declaration [Total Pages 4] <ul style="list-style-type: none"> a. <input type="checkbox"/> Newly executed (original or copy) b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation/divisional with Box 19 completed)</small> <ul style="list-style-type: none"> i. <input type="checkbox"/> DELETION OF INVENTOR(S) <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)</small> 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <small>(if applicable, all necessary)</small> <ul style="list-style-type: none"> a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input checked="" type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies 		
ACCOMPANYING APPLICATIONS PARTS			
9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small> 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 13. <input checked="" type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(Should be specifically itemized)</small> 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small> 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). <small>Applicant must attach form PTO/SB/35 or its equivalent.</small> 17. <input type="checkbox"/> Other: 			
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76. <input type="checkbox"/> Continuation <input checked="" type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: 09/408,618 Prior application information: Examiner: Winkler Group / Art Unit: 1648 For CONTINUATION or DIVISIONAL APPS only. The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 18, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.			
19. CORRESPONDENCE ADDRESS			
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		 000530	
		<input type="checkbox"/> Correspondence address below	
Name 			
Address 			
City 		State Zip Code 	
Country 		Telephone Fax 	
Name (Print/Type) Shawn P. Foley		Registration No. (Attorney/Agent) 33,071	
Signature		Date October 5, 2001	

 JCE21 U.S. PTO
 09/971884
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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 406.00

Complete if Known

Application Number
Filing Date HEREWITH
First Named Inventor John Murphy
Examiner Name Winkler
Group Art Unit 1648
Attorney Docket No. BOSTU 3.0-002 DIV

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:
Deposit Account Number 12-1095
Deposit Account Name Lerner, David, Littenberg, Krumholz & Mentlik, LLP
☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 ☒ Applicant claims small entity status. See 37 CFR 1.27

2. ☐ Payment Enclosed
☐ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE		Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	201	370					Utility filing fee	370.00
106	330	206	165					Design filing fee	
107	510	207	255					Plant filing fee	
108	740	208	370					Reissue filing fee	
114	160	214	80					Provisional filing fee	
SUBTOTAL (1) (\$)									370.00

2. EXTRA CLAIM FEES		Extra claims	Fee from below	Fee Paid
Total Claims	24	** = 4	9.00	36
Independent Claims	2	** = 0	42.00	0
Multiple Dependent				

Large Entity		Small Entity				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description		
103	18	203	9	Claims in excess of 20		
102	84	202	42	Independent claims in excess of 3		
104	280	204	140	Multiple dependent claim, if not paid		
109	84	209	42	** Reissue independent claims over original patent		
110	18	210	9	** Reissue claims in excess of 20 and over original patent		
SUBTOTAL (2)				(5)	36.00	

**or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES		Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65					Surcharge - late filing fee or oath	
127	50	227	25					Surcharge - late provisional filing fee or cover sheet	
139	130	139	130					Non-English specification	
147	2,520	147	2,520					For filing a request for expedite reexamination	
112	920*	112	920*					Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*					Requesting publication of SIR after Examiner action	
115	110	215	55					Extension for reply within first month	
116	400	216	200					Extension for reply within second month	
117	920	217	460					Extension for reply within third month	
118	1,440	218	720					Extension for reply within fourth month	
128	1,960	228	980					Extension for reply within fifth month	
119	320	219	160					Notice of Appeal	
120	320	220	160					Filing a brief in support of an appeal	
121	280	221	140					Request for oral hearing	
138	1,510	138	1,510					Petition to institute a public use proceeding	
140	110	240	55					Petition to revive - unavoidable	
141	1,280	241	640					Petition to revive - unintentional	
142	1,280	242	640					Utility issue fee (or reissue)	
143	460	243	230					Design issue fee	
144	620	244	310					Plant issue fee	
122	130	122	130					Petitions to the Commissioner	
123	50	123	50					Processing fee under 37 CFR 1.17(q)	
128	180	128	180					Submission of Information Disclosure Stmt	
581	40	581	40					Recording each patent assignment per property (times number of properties)	
146	740	246	370					Filing a submission after final rejection (37 CFR 1.129(a))	
149	740	249	370					For each additional invention to be examined (37 CFR 1.129(b))	
179	740	279	370					Request for Continued Examination (RCE)	
169	900	169	900					Request for expedited examination of a design application	
Other fee (specify)									
*Reduced by Basic Filing Fee Paid									
SUBTOTAL (3) (\$)									0.00

SUBMITTED BY Name (print/type) Shawn P. Foley Registration No. (Attorney/Agent) 33,071 Complete (if applicable) Telephone (908) 518-6346
Signature *Shawn P. Foley* Date October 5, 2001